

FORM PTO-1449
(REV. 6-89)U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeAttorney's Docket No.
20852-05133Serial No.
09/854,153

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicant
Laurence J. Newell and James F. CowardFiling Date
May 11, 2001Group Art Unit
2874

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

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					Yes No

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AB	GG	Jones-Bey, H., "Optical switches pursue crossconnect markets," <i>Laser Focus World</i> , May 1998, pp. 153-162.
AB	HH	Kanno, N., K. Ito, "Fiber Optic Subcarrier Multiplexing Transport for Broadband Subscriber Distribution Network", <i>IEEE Intl. Conference on Communications Boston ICC/89 World Prosperity Through Communications</i> , June 11-14, 1989, Boston, MA, Volume 2, pp. 996-1003
AB	II	Kavehrad, M., E. Savov, "Fiber-Optic Transmission of Microwave 64-QAM Signals", <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 8, No. 7, September 1990, pp. 1320-1326
AB	JJ	Kitayama, Ken-ichi, "Subcarrier Multiplexing Based Signaling and Access Control in Optical FDM Networks", <i>IEEE Global Telecommunications Conference (GLOBECOM'95, Singapore)</i> , Nov. 1995, pp. 1996-2002
AB	KK	LeBer, J., M. LeLigne, "Digital Transmission on Electric Subcarriers in Optical Fiber Videocommunication Systems", <i>Optics Communications</i> , October 15, 1987, Volume 64, No. 2, pp. 120-126
AB	LL	Li, J., K. Yano, "Development of AM/QAM Hybrid Optical SCM Transmission System", <i>Proc Intl Conf. On Communication Technology ICCT '96</i> , May 5-7, 1996, Beijing, China, Volume 1, pp. 575-577
AB	MM	Lu, X., G.E. Bodeep, T.E. Darcie, "Broad-Band AM-VSB/64 QAM Cable TV System Over Hybrid Fiber/Coax Network," <i>IEEE Photonics Technology Letters</i> , Vol. 7, No. 4, April 1995, pp. 330-332
AB	NN	Nakamura, Y., H. Ohtsuka, S. Aikawa, H. Takanashi, "Advanced Techniques for Super Multi-Carrier Digital Microwave Radio With Trellis-Coded 256 QAM Modulation", <i>NTT Radio Communication Systems Laboratories</i> , pp. 389-394
AB	OO	Nishikido, J. et al., "Multiwavelength Securely-Authenticated Broadcast Network" 11 th International Conference on Integrated Optics and Optical Fibre Communications, 23 rd European Conference on Optical Communications IOOC-ECOC 97 (Conf. Publ. No. 448), Sept. 22, 1997, pp. 17-20
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AB	QQ	Ohtsuka, H., O. Kagami, S. Aikawa, H. Takanashi, "256-QAM Subcarrier Transmission for Broadband Distribution Networks", <i>NTT Radio Communications Systems Laboratories, GlobeCom '91</i> , pp. 1817-1822

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		Applicant Laurence J. Newell and James F. Coward	
	Filing Date May 11, 2001	Group Art Unit 2874	

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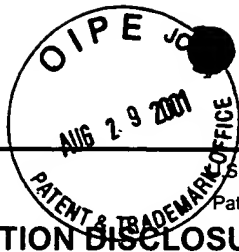
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AB	U	Cambrian Systems Corporation, "OPTera Metro Optical Networking Platform Product Information," copyright 1997 (printed from http://www.cambriansys.com/productinfo.htm on May 24, 1999), pp. 1-4
AB	V	Dai, H., C. Lin, M. Ramachandran, "Hybrid AM/QAM Video Trunking Lightwave Systems With Cascaded EDFAs", Conf. Proc. LEOS, 97 Annual Meeting, IEEE Lasers & Electro Optic Society, 1997, Vol. 1, pp. 319-320
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AB	Y	Fuse, M., Y. Kudo, K. Maeda, "Development of 128 Optical Distribution System of 150 chs AM/QAM Hybrid Signals", Electronics and Communications in Japan, November 1996, Volume 79, Issue 11, Part 1, pp. 65-77
AB	Z	Green, P., "Fiber Optic Networks", 1993, Prentice-Hall, Inc., Englewood Cliffs, New Jersey, p. 331, line 4 - line 7, figure 9-1
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AB	CC	Ho, K., H. Dai, C. Lin, "Hybrid WDM Digital Trunking System for both HFC and FTTC Access Networks", Digest IEEE/LEOS 1996 Summer Topical Meetings (Cat. No. 96 th 8164), NY, NY, pp. 37-38
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AB	EE	I-Cube, "Optimal I/O Assignment in an IQX-based Crossbar Switch", Literature #D-21-019, September 1997, pp. 1-14
AB	FF	I-Cube, "IQX Family Data Sheet", January 1999, pp. 1-58

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May 11, 2001Group Art Unit
2874**U.S. PATENT DOCUMENTS**

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AB	R	Alcatel, "Alcatel 1692 SM 10 Gbps (OC-192) SONET Transport System", copyright 1997 (printed from http://www.alcatel.com/telecom/mbd/products/products/1692.htm on May 24, 1999), pp. 1-2					
AB	S	Alcatel, "The OPTINEX Family of Network Elements", copyright 1997 (printed from http://www.alcatel.com/telecom/tsd/products/family.htm on May 24, 1999), pp. 1-7					
AB	T	Business Wire, "Harmonic Lightwaves Announces Availability of First MCNS-Compliant QAM Modulator; TRANSEND QAM 16QAM Component for Delivering Digital Services", November 18, 1997					

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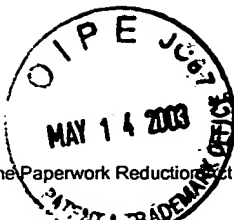
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SS	Ryan, J., "WDM: North American Deployment Trends," <u>IEEE Communications Magazine</u> , February 1998, pp. 40-44.
TT	Schlump, Dieter et al.: "Electronic equalization of PMD and chromatic dispersion induced distortion after 100 km standard fibre at 10 Gbit/s" <u>PROCEEDINGS OF THE EUROPEAN CONFERENCE ON OPTICAL COMMUNICATION</u> , 20 September 1998, pp. 535-536.
UU	Swaminathan, V., N. Froberg, L. Upadhyayula, "The end-to-end bit error performance of 64-quadrature amplitude modulated signals in a hybrid AM-vestigial sideband/QAM fiber-optic video transmission system", <u>Proceedings of SPIE-International Society for Optical Engineering</u> , Volume 2917, pp. 274-282
VV	Tai, C., Pi-Yang Chiang, W. Way, "Eight-Way, 70-km Transmission of 33-Channel 64-QAM Signals Utilizing a 1.3- μ m External Modulation System and Semiconductor Optical Amplifier", <u>IEEE Photonics Technology Letters</u> , Vol. 8, No. 9, September 1996, pp. 1244-1248
WW	Tang, D., "Multi-Gigabit Fiber-Optic Video Distribution Network Using BPSK Microwave Subcarriers", <u>IEEE 1989 MTT-S Intl. Microwave Symp Digest</u> , June 13-15, 1989, Long Beach, CA, Volume 2, pp. 697-701
XX	Wilson, G, "Capacity of QAM SCM systems utilising optically linearised Mach-Zehnder modulator as transmitter", <u>Electronic Letters</u> , Vol. 34, No. 25, December 10, 1998, pp. 2372-2374

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT****Complete if Known**

Application No.	09/854,153
Filing Date	May 11, 2001
First Named Inventor	Laurence J. Newell
Art Unit	2633
Examiner Name	Jason Chan
Attorney Docket Number	20852-05133

Sheet

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AB	2	US-5,612,806	03-18-1997	Su et al.

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AB	3	JP09022038 A	01-21-1997	Kokusai Electric Co Ltd	
AB	4	JP09098155 A	04-08-1997	Matsushita Electric Ind Co Ltd.	

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
AB	5	Blumenthal, Daniel J. et al., "Fiber-Optic Links Supporting Baseband Data and Subcarrier-Multiplexed Control Channels and the Impact of MMIC Photonic/Microwave Interfaces," <i>IEEE Transactions on Microwave Theory and Techniques</i> (August 1997), Vol. 45, No. 8, pages 1443-1451.	
AB	6	Liew, Soung C. et al., "A Broad-Band Optical Network Based on Hierarchical Multiplexing of Wavelengths and RF Subcarriers," <i>Journal of Lightwave Technology</i> (November 1989), Vol. 7, No. 11, pages 1825-1838.	

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